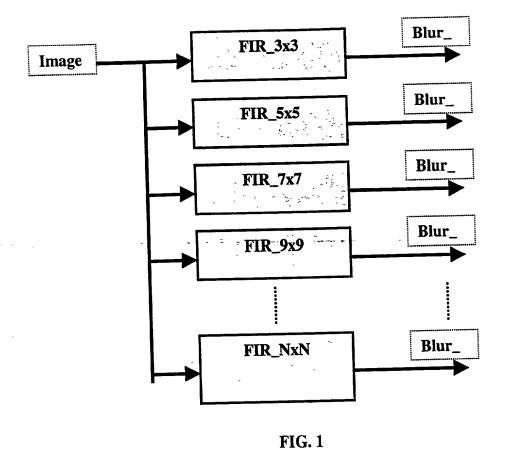
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FIG.3

| | $P_{0,0}^{kxk}$ $P_{1,0}^{kxk}$ | $oldsymbol{P_{0,1}^{kxk}} \ oldsymbol{P_{1,1}^{kxk}}$ | • | | | | $egin{array}{c} P_{0,N-1}^{kxk} \ P_{1,N-1}^{kxk} \end{array}$ |
|-------------|---------------------------------|---|---|-----------------|---|---|--|
| | | | | • | | • | |
| $P^{kxk} =$ | : | • | | $P_{i,j}^{kxk}$ | | | : |
| | | • | | • | • | • | • |
| | | • | | • | • | | |
| | $P_{M-1,0}^{kxk}$ | $P_{M-1,1}^{kxk}$ | | ••• | • | | $P_{M-1,N-1}^{kxk}$ |

In the first first

| | s _{0,0} | S _{0,1} | • | ••• | • | • | $s_{0,N-1}$ |
|-----|-------------------------|-------------------------|---------------|-------------|----------------------------|---|---------------|
| | s _{1,0} | • | | • | • | ٠ | $s_{1,N-1}$ |
| | • | • | $s_{i-1,j-1}$ | $s_{i-1,j}$ | $S_{i-1,j+1}$ | • | • |
| S = | : | • | $s_{i,j-1}$ | $s_{i,j}$ | $s_{i,j+1}$ | ٠ | : |
| | | • | $s_{i+1,j-1}$ | $s_{i+1,j}$ | $\boldsymbol{S}_{i+1,j+1}$ | • | |
| | • | • | • | • | • | • | |
| | $S_{M-1,0}$ | $s_{M-1,1}$ | • | ••• | | • | $s_{M-1,N-1}$ |

$$F_{ksk} = \begin{bmatrix} 1 \\ 2 \\ \frac{k-1}{2} \\ \vdots \\ 3 \\ 2 \\ 1 \end{bmatrix} * \begin{bmatrix} 1 & 2 & 3 & \cdots & \frac{k-1}{2} & 4 & 3 & 2 & 1 \end{bmatrix}$$

$$\begin{bmatrix} 1 & 2 & 3 & \cdots & \frac{k-1}{2} & \cdots & 3 & 2 & 1 \\ 2 & 4 & 6 & \cdots & \frac{2(k-1)}{2} & \cdots & 6 & 4 & 2 \\ 3 & 6 & 9 & \cdots & \frac{3(k-1)}{2} & \cdots & 9 & 6 & 3 \\ \vdots & \vdots & \vdots & \vdots & \vdots & \vdots & \vdots \\ \frac{k-1}{2} & \frac{2(k-1)}{2} & \frac{3(k-1)}{2} & \cdots & \frac{(k-1)*(k-1)}{4} & \cdots & \frac{3(k-1)}{2} & \frac{2(k-1)}{2} & \frac{k-1}{2} \\ \vdots & \vdots & \vdots & \vdots & \vdots & \vdots & \vdots \\ 3 & 6 & 9 & \cdots & \frac{3(k-1)}{2} & \cdots & 9 & 6 & 3 \\ 2 & 4 & 6 & \cdots & \frac{2(k-1)}{2} & \cdots & 6 & 4 & 2 \\ 1 & 2 & 3 & \cdots & \frac{k-1}{2} & \cdots & 3 & 2 & 1 \end{bmatrix}$$

FIG. 6

$$F_{9x9} = \begin{bmatrix} 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ 4 \\ 3 \\ 2 \\ 1 \end{bmatrix} * \begin{bmatrix} 1 & 2 & 3 & 4 & 5 & 4 & 3 & 2 & 1 \\ 2 & 4 & 6 & 8 & 10 & 8 & 6 & 4 & 2 \\ 3 & 6 & 9 & 12 & 15 & 12 & 9 & 6 & 3 \\ 4 & 8 & 12 & 16 & 20 & 16 & 12 & 8 & 4 \\ 5 & 10 & 15 & 20 & 25 & 20 & 15 & 10 & 5 \\ 4 & 8 & 12 & 16 & 20 & 16 & 12 & 8 & 4 \\ 3 & 6 & 9 & 12 & 15 & 12 & 9 & 6 & 3 \\ 2 & 4 & 6 & 8 & 10 & 8 & 6 & 4 & 2 \\ 1 & 2 & 3 & 4 & 5 & 4 & 3 & 2 & 1 \end{bmatrix}$$

FIG. 7

FIG. 8

FIG. 9